

## ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:

Chief, Building Planning Staff, OL  
4E50 Hqs

EXTENSION

NO.

DATE

13 DEC 1982

TO: (Officer designation, room number, and building)

DATE

RECEIVED

FORWARDED

OFFICER'S INITIALS

COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)

1. DD/L

Ed,

Here is a copy of lease-purchase proposal for [ ] system. First year cost to us would be \$117,800 including installation, maintenance, and operator training.

Att

*Cy in { Permanent Services (Admin. Files) }*

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development. Analysis of the cost proposal has shown that the cost to the Agency would be \$180,000 exclusive of the cost of Government-supplied communications [redacted] Of this amount, \$55,000 goes to overhead and profit, \$75,000 is for equipment purchase, \$27,000 is for 36 months' maintenance, and the balance provides for company travel to provide instruction and technical advice. [redacted]

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5. Investigations were undertaken to look at options to accelerate installation of a Government CADD system for space management as an alternative to the remote terminal installation originally proposed. INTERGRAPH has presented an informal proposal of \$250,000 for purchase of a basic CADD system. This package would include:

- a. A DEC/VAX computer
- b. Disk storage unit
- c. Mag tape storage
- d. CADD workstation
- e. Electrostatic plotter
- f. Architectural and engineering software

[redacted] 25X1

6. Acquisition of a Government system now would be advantageous to OL/Building Planning Staff since current databases could be loaded weekly by mail [redacted] The greater advantage would accrue to OL/Logistical Services Division/Architectural Design Staff since there is immediate application to the heavy space planning workload facing them in the next several years. For these reasons, it is planned to pursue immediate acquisition of a basic INTERGRAPH system with estimated installation in April or May of 1983. [redacted]

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7. Since total purchase funding will not be available in FY-83, a lease-purchase contract will be entered into to ensure that total FY-83 funding remains within the \$180,000 that otherwise would have to be committed to the A-E contract for a limited capability. While INTERGRAPH has not had time to present a lease-purchase proposal, the rule-of-thumb for ADP has traditionally been a 36-month amortization. This would suggest an annual cost of approximately \$80,000. Maintenance is estimated at an additional \$10,000. [redacted]

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[redacted]  
Chief, Building Planning Staff, OL

## Distribution:

- Orig - OL/BPS (Official)
- 1 - D/L
- 1 - C/LSD/OL

OL/BPS, [redacted]

(7Dec82)

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8 DEC 1982

MEMORANDUM FOR THE RECORD

SUBJECT: Computer Assisted Design and Drafting

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1. Based on the general industry experience with Computer Assisted Design and Drafting (CADD) systems, a requirement was incorporated in the new building architectural-engineering (A-E) specifications requiring delivery of a CADD database for Agency use in space management. The question of when and how the Agency would acquire a compatible CADD system was deferred.

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2. The A-E industry is rapidly converting to CADD because:

a. Companies have experienced a 30 to 50 percent productivity gain by generating designs and modifications to designs with computer assistance.

b. Customers are, likewise, recognizing productivity gains and tighter space management by using the CADD databases coupled with linking database management systems to track facility designs and equipment inventories through the life-cycle of a facility.

c. The technology is commercially available at an economically advantageous price.

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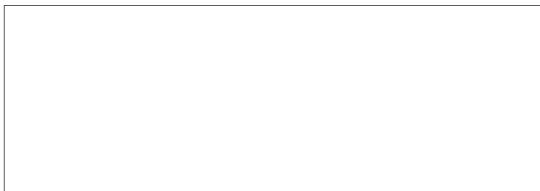
3. Within the Agency, the Office of Research and Development and the Office of Global Issues have been developing CADD applications for a number of years. The emphasis has been cartography and incorporation of real-time intelligence in cartographic products. More recently, the Office of Current Production and Analytic Support has procured a system to enhance cartographic production. The systems in use by both components were procured from a major CADD vendor, INTERGRAPH.

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4. The selected A-E firm,  is planning to use an INTERGRAPH system for the new building design. As part of this effort, it has been proposed that a remote terminal be installed at the Agency to provide Government oversight of the design

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